

**Draft FY 2005  
JOINT END-OF-YEAR REPORT  
ON  
THE STATE OF UTAH'S HAZARDOUS WASTE PROGRAM**

by

The U.S. Environmental Protection Agency - Region 8  
Solid and Hazardous Waste Program and  
Technical Enforcement Program

and

The Utah Division of Solid and Hazardous Waste

## **INTRODUCTION**

This report presents the results of a joint, end-of-year review of the State of Utah's Hazardous Waste Program as administered by the Utah Department of Environmental Quality (DEQ), Division of Solid and Hazardous Waste (UDSHW). The UDSHW is authorized under the Resource Conservation and Recovery Act (RCRA) to administer the hazardous waste program in Utah in lieu of the U.S. Environmental Protection Agency (EPA). The UDSHW is the primary implementer of the hazardous waste program. The Region 8 office of EPA conducts oversight of the program to ensure the consistent and proper application of federal hazardous waste laws and regulations. The scope of this report covers federal fiscal year 2005 (FY 2005 - October 1, 2004 to September 30, 2005).

The UDSHW and the EPA entered a Performance Partnership Agreement (PPA) for administration and implementation of the authorized hazardous waste program during FY 2005. Included in the PPA is the annual grant work plan for FY 2005.

This report also provides an overall review of the program as implemented in Utah during FY 2005 and an assessment of the UDSHW's fulfillment of the FY 2005 work plan commitments, as required by 40 CFR 35.150.

The report and its findings are based on data from the RCRAInfo database, a review of State compliance and enforcement files, and other information provided by the UDSHW.

## **SUMMARY OF FINDINGS**

The FY 2005 PPA included commitments in the areas of Waste Minimization, Permits, Closure and Post-Closure, Corrective Action, Compliance and Enforcement, Training and Technical

Assistance and Environmental Justice. The UDSHW met or exceeded all commitments in these areas during FY 2005.

More specifically, the UDSHW continued its commitment to a high level of activity for Pollution Prevention and Hazardous Waste Minimization. In the area of Permits and Corrective Action, significant activities were accomplished to meet national goals.

Significant changes were made in the compliance monitoring and enforcement program. A new tracking system was developed and implemented that resulted in substantial reductions in the time frames for Stipulations and Consent Orders. All targeted inspections were completed. Inspections were high quality and inspection reports supported violation determinations as appropriate. Documentation of penalty assessments was completed on all penalty actions and provided adequate justification for the penalties negotiated and collected. The UDSHW met the compliance and enforcement standards and time frames the majority of the time.

Appropriate staff training was conducted or provided within resource constraints. The UDSHW has a highly trained staff with significant collective experience in the hazardous waste program.

Environmental justice issues were incorporated into the UDSHW's activities in FY 2005 where appropriate. EPA staff and resources were utilized when necessary.

## **WASTE MINIMIZATION / POLLUTION PREVENTION**

The UDSHW provided technical assistance to businesses and the public through fact sheets, newsletters, and electronic media. The UDSHW Web Site and P2 Library were maintained with information regarding waste minimization, source reduction and recycling.

A pollution prevention (P2) electronic newsletter was developed for FY2005. The newsletter provides information for UDSHW staff about the four new P2 fact sheet and also includes a summary of recent articles from EPA, other states, and organizations on matters pertaining to P2 and waste minimization activities. Three of the new P2 fact sheets have been translated into Spanish: "Cleaner Technologies Substitutes Assessment for Professional Fabricare Process," "Frequently Asked Questions About Dry Cleaning" and "Cleaner Clothes and a Cleaner Environment." The fourth P2 fact sheet was developed to educate the public on the proper handling and recycling of antifreeze. The UDSHW P2 library is maintained and information made available to UDSHW staff.

## **RESOURCE CONSERVATION CHALLENGE (RCC)**

In 2002, EPA established the RCC to serve as a way in which waste program activities could incorporate more of a focus on and priority for conserving natural resources and energy—an overall objective of the federal law which governs federal and, in a general sense, state waste programs. Specific priorities have been identified in order to target areas where significant

accomplishments can be achieved. For UDSHW, significant resources are dedicated to the waste tire and used oil recycling programs. These two programs are highlighted below.

### **Waste Tire Recycling Program**

One of the major priorities of the RCC is the beneficial use of waste or otherwise known as secondary materials. The focus of this priority is to promote the recycling of waste tires throughout the state.

Through the combined efforts of the UDSHW, the waste tire recycling industry, and local health departments, there currently are markets in Utah for the approximate 2.3 million waste tires generated annually within the state. This has been the result of a successful partnership in establishing a network of waste tire transporters, processors, and end users.

Specifically, the UDSHW's role in the management of waste tires in Utah primarily consists of two components. First, the agency serves as a regulatory/enforcement agency. The UDSHW monitors waste tire transporters and recyclers to ensure all are operating in compliance with applicable statutes and regulations. Second, the UDSHW oversees the activities to clean up and remove waste tire piles—those considered abandoned as well as those created at municipal landfills. The waste tire recycling program is effective in managing waste tires generated in Utah due to the coordinated efforts of all stakeholders as well as the dedicated funding the Legislature has provided through the \$1 per tire recycling fee collected from new tire sales.

From inception of the program through FY2005, the Utah waste tire program has removed all but one abandoned tire pile and is removing, on a periodic basis, waste tire piles created at landfills as the waste tires are separated from the other waste. The one existing abandoned tire pile is currently under review and removal is expected within the next year. A successful tire recycling program requires a recycling industry be built. The Utah program has successfully accomplished this throughout the years of program operation. Five waste tire recyclers are currently operating in Utah:

- Two industrial kilns use waste tires as fuel
- Two crumb rubber manufacturers
- One municipal landfill uses chipped tires for daily cover material

During FY 2005, the Utah waste tire program has continued to achieve success. The following are the statistics for the program during the past fiscal year.

- Estimated new tires sold: 2,996,657
- Estimated tires recycled: 2,275,390 (base on a conversion factor of 65 tires/ton)
  - Waste Tire Recycling:
    - 35,006 tons of tires recycled
    - 5,582 tons used in crumb,

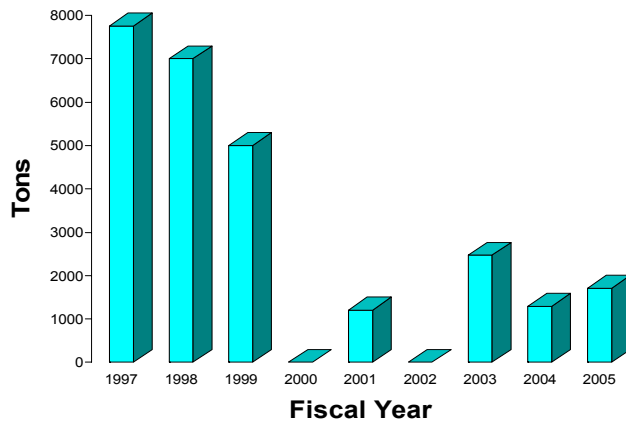
16,566 tons used in recycling, and  
12,858 tons used in beneficial use

- Cleanup of waste tire piles:
  - 1,716 tons of tires were cleaned up at two.

The following charts illustrate the ongoing success of Utah's waste tire recycling program.

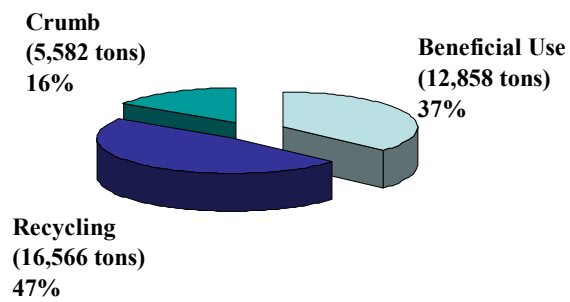


## Waste Tire Pile Cleanups



## FY05 Waste Tire Recycling by Category

Total Tons Recycled 35,006



## **Used Oil Program**

### **New Activities**

A used oil block grant was approved to pay for the cost of playing two 30-second used oil commercials in 29 movie theaters located throughout Utah and Salt Lake Counties and commercials promoting used oil recycling on Channel 14 KJZZ. The commercials were played approximately 10,000 times at the theaters and aired 102 times on Channel 14. The commercials began playing in May and ended in September 2005.

The UDSHW also co-sponsored with NAPA Auto Parts and the Rocky Mountain Raceway a used oil recycling promotion in FY2005. During the month of August 2005, the public could bring in their DIYer used oil to any NAPA Auto Parts Store located along the Wasatch Front and receive a coupon for \$3 off an admission ticket to the biggest NASCAR race scheduled for August 27, 2005. Unfortunately, not many coupons were redeemed the day of the race but as part of the package the UDSHW did receive \$10,600 worth of TV ads promoting used oil recycling that were aired on FOX 13.

### **On-going Activities**

All charts depicting DIYer used oil (state-wide totals and county totals) and total used oil (DIYer and business) collected in the state since the program began in 1993 under the UDSHW, have been updated on the Web to reflect current information. The latest edition of the Used Oil Drip, the used oil program newsletter, is also available on the Web. Annual report information for calendar year 2004 provided by all permitted used oil facilities has been summarized and is available on the Web. The Web site lists each permitted facility in Utah and how much used oil each facility processed, burned and/or transported.

The used oil program continues to develop partnerships with cities and counties throughout the state to coordinate public education activities as a result of the new storm water run-off permits. One of the requirements of the storm water permits is to develop and distribute information to the public to educate them about chemicals and products, including used oil, that should not be discharged into storm drains. The UDSHW has worked with these local agencies to incorporate used oil recycling educational material and messages promoting proper used oil recycling, including locations where to take used oil generated by do-it-yourselfers (DIYers) in order to have it collected and recycled at no cost.

The final report from a combined air quality and used oil survey coordinated with the Utah Society for Environmental Education (USEE) was received February 15, 2005. The survey was performed in a large ethnic population of Salt Lake City and the UDSHW was seeking to obtain information about how well the used oil recycling program public outreach is working and ways to improve. The survey questionnaire was also translated into Spanish to assist with its implementation. The results showed that almost 70% of the people interviewed knew to take DIYer used oil to a collection center to be recycled, were able to name a local collection center and that most of the people had heard about the recycling program through a friend or when they purchased the oil at the store.

Over 500,000 gallons of DIYer used oil were collected during FY 2005—an increase of about 1% from the previous fiscal year. The chart below illustrates the continued increase in collecting DIYer used oil over the past several years. For an overall perspective of the used oil program's continued success, the chart below represents the total amount of used oil collected, by calendar year, from all sources (businesses, DIYer, etc.) annually since 1995.

Articles and press releases on used oil recycling are still being published in local newspapers, the Utah Farm Bureau newsletter, and Utah State University's county extension newsletters. Used oil recycling information is still being included in Salt Lake County's recycling insert included annually in *The Salt Lake Tribune*.

The UDSHW continues to support and participate in radio spots promoting used oil recycling.

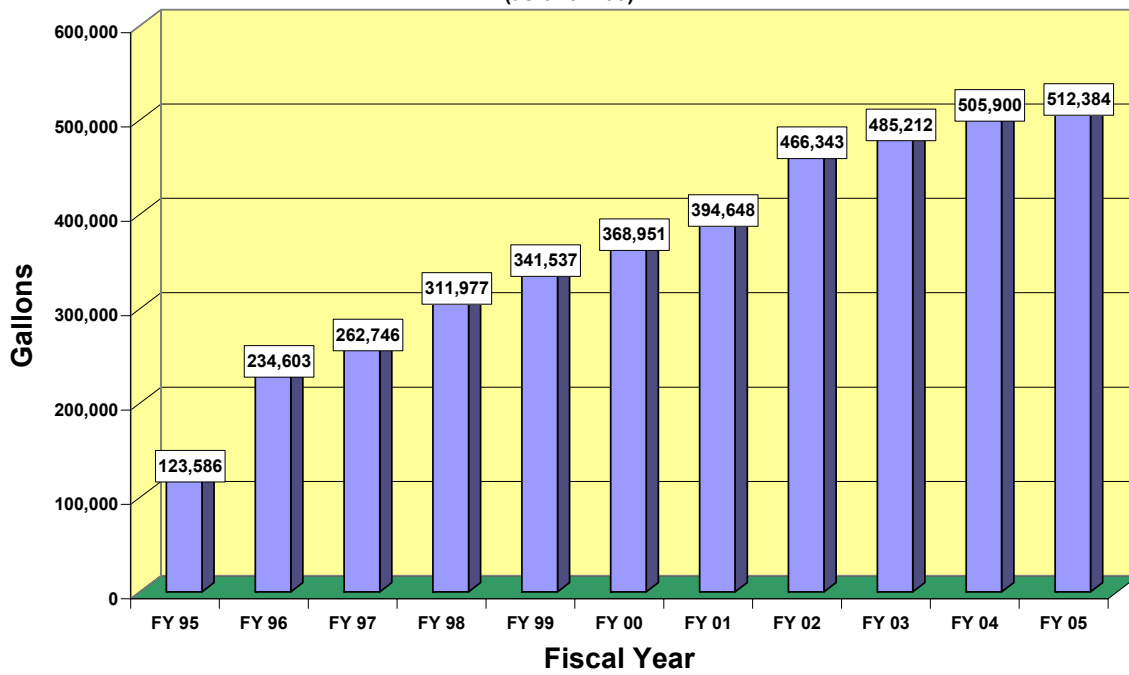
Used oil recycling information continues to be distributed at many county fairs, demolition derbies, natural resources fairs, and various Earth Day events, and especially at sporting events at college campuses. The Used Oil Drip, the UDSHW's used oil recycling newsletter, is still being published and distributed to city and county officials, collection centers, local health department officials, state legislators, and other state and federal agencies. The newsletter is also requested by and mailed to environmental program staff from other states that are considering establishing or have an existing DIYer used oil recycling program.

All 17 used oil steering committees are still meeting once a year. The committees, made up of local representatives from businesses, schools, colleges, county and federal agencies provide information on how well the program is working within their area and ways to improve it to make sure the public is informed about the benefits of used oil recycling and where to take their oil to be recycled.

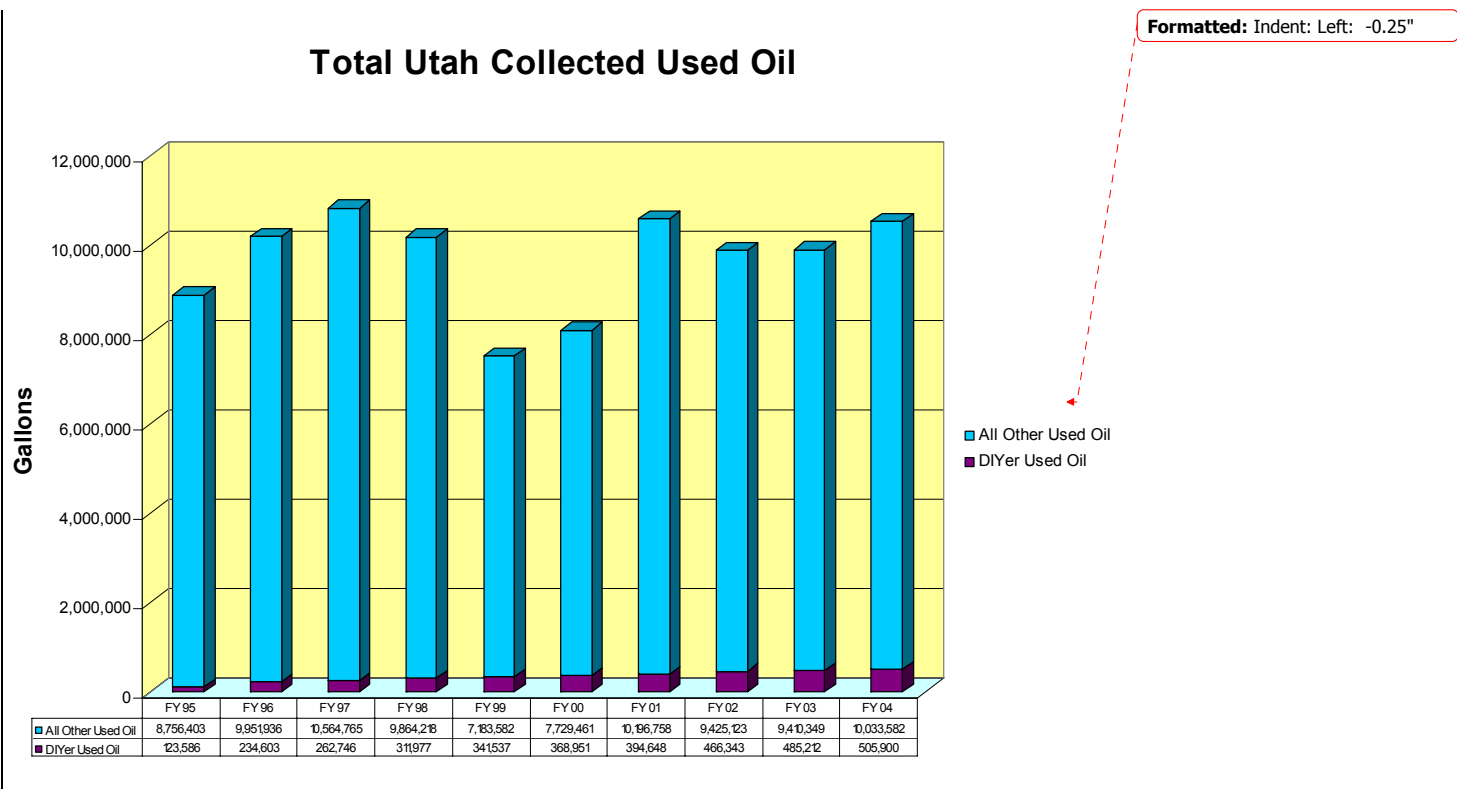
Boy Scouts of America Eagle Scout projects are on-going. A popular project is to coordinate the labeling of garbage containers with stickers related to used oil recycling as a reminder to keep used oil from being disposed of in private dumpsters.

# Utah DIYer Used Oil Collection

(as of 3/1/05)







### **Supplemental Environmental Projects**

Supplemental Environmental Projects (SEPs) were considered as a part of compliance actions for waste minimization and pollution prevention opportunities. However, no SEPs were proposed or implemented by respondents in enforcement actions in FY 2005.

### **PERMITS, CLOSURE, POST-CLOSURE**

Utah has a significant number of facilities that manage hazardous waste, and the FY 2005 PPA supports the State's and EPA's goal of safe management of hazardous waste through the imposition of approved controls (closure plans, post-closure permits, operating permits, and other controls). The PPA includes performance measures for progress towards closure of facilities, post-closure controls for facilities closing with waste in place, and initial and renewed operating permits for facilities that manage hazardous wastes.

## **Operating Permits**

The following table summarizes the operating permit activities in FY 2005:

<b>OPERATING PERMITS</b>		
<b>FACILITY</b>	<b>ACTIVITY</b>	<b>ACTION DATE</b>
Tooele Army Depot	OB/OD permit issued (1 unit)	9/30/2005
	Permit renewal (12 units)	9/30/2005
Deseret Chemical Depot	OB/OD prohibited by permit modification (1 unit)	9/29/2005
	Permit renewal (9 units)	1/25/2005
ATK Thiokol Inc.- Bacchus	Permit issuance (8 units)	Pending
Safety-Kleen Pioneer Road	Permit renewal (3 units)	7/15/2005
Northeast Casualty Real Property	Permit renewal (3 units)	9/30/2005
Dyno Nobel – TTS	OB/OD closure verification (1 unit)	11/16/2004
Dugway Proving Ground	Permit renewal (3 units)	9/29/2005

The UDSHW received 132 permit modification requests (excludes temporary authorizations) during FY 2005. Of those received, the UDSHW completed the following:

- Class I - 65
- Class Ia – 26
- Class II - 30
- Class III – 4
- Agency initiated – 1

During FY 2005, 44 Emergency Permits were issued.

At the conclusion of FY 2005, 15 of the 19 (79%) TSDFs in the Utah universe have approved controls in place. The four facilities with outstanding operating permits at the end of FY 2005 were Alliant Techsystems Aerospace (Bacchus); ATK Thiokol Propulsion (Promontory); Dugway Proving Ground; and EBCO (Ensign Bickford). It should be noted that the open detonation pits (one unit) at the Dyno Nobel - Tooele Test Site was verified closed on November 16, 2004; and the open burning and open detonation units at The Ensign-Bickford Company (EBCo) are going through closure and will not be obtaining an operating permit. This results in 83% of the facilities with operating permits. Dugway has submitted a Class 3 Permit Modification to incorporate OD/OB treatment into the Part B Permit. Dugway and UDSHW staff are working through issues identified in a notice of deficiency and it is anticipated that final action will be taken on the Permit Modification during FY2006.

Seven units at ATK Thiokol Inc. –Bacchus, one OB/OD unit and six storage units, were projected for permit issuance in FY05. The UDSHW is currently working with ATK staff in the development of storage permit conditions. The risk assessment process for the OB/OD unit appears to be completed. A couple of data gaps that have been identified risk assessment report will be addressed through a compliance schedule in the permit.

The Dugway Part B Permit was modified to include a post-closure module for non-notifier hazardous waste management units. Post-closure controls for nine hazardous waste management units have been approved and incorporated into the post-closure module

The state has issued permits to a great majority (116 out of 131 or 89%) of units at its facilities. A relatively few open burning/open detonation (OB/OD) and related units spread across three facilities are keeping the state's facility numbers low. There are complex issues associated with permitting OB/OD units, particularly issues relating to risk assessment. However, in the absence of national guidance, Utah developed its own OB/OD permit guidance in 2001 to address these issues and has been using it since then. The UDSHW has also made considerable progress with interim activities, such as preparations to approve the risk assessment at Alliant Techsystems Aerospace (Bacchus); review of the risk assessment protocol document for ATK-Thiokol Propulsion (Promontory); and a Notice of Deficiency to Dugway Proving Grounds to submit a risk assessment plan and ground water protection plan. In addition to the guidance, Utah also used some creative approaches, such as the Dugway mobile Explosive Destruction System (EDS).

### **Closure**

The following table summarizes the closure activities in FY 2005:

<b>CLOSURE</b>		
<b>FACILITY</b>	<b>ACTIVITY</b>	<b>ACTION DATE</b>
Deseret Chemical Depot (CAMDS)	Closure plan approval CL 360 (7 units)	5/20/2005 (2 units) 6/15/2005 (3 units) 7/12/2005 (2 units)
	Closure verification CL 380 (2 units)	5/20/2005
Dyno Nobel - TTS	OB/OD closure verification CL 380 (1 unit)	11/16/2004
	Site Management Plan approved	2/11/05
Dugway Proving Ground	Closure plan approval CL 360 (6 units)	10/19/2004 (1 unit) 12/27/2004 (2 units) 7/11/2005 (1 unit) 9/30/2005 (2 units)

FACILITY	ACTIVITY	ACTION DATE
	Closure verification CL 380 (13 units)	11/5/2004 (3 units) 12/27/2004 (1 unit) 1/3/2005 (1 unit) 2/7/2005 (2 units) 3/18/2005 (2 units) 9/13/2005 (1 unit) 9/30/2005 (3 units)
Engelhard Corp.	Closure verification CL 380 (3 units)	11/2/2004

### **Post-Closure**

The following table summarizes the post-closure activities in FY 2005:

POST-CLOSURE		
FACILITY	ACTIVITY	ACTION DATE
Dugway Proving Ground	Post-closure permit issuance PC 200 (9 units)	9/29/2005
Tooele Army Depot	Post-closure permit 5-year review	7/11/2005

### **CORRECTIVE ACTION**

The following table summarizes the corrective action activities in FY 2005:

CORRECTIVE ACTION		
FACILITY	ACTIVITY	ACTION DATE
Dugway Proving Ground	RFI approval CA 200 (9 units)	10/4/2004 (1 unit) 10/19/2004 (1 unit) 9/25/2005 (7 units)
	Corrective action complete CA999 (2 units)	10/4/2004 (1 unit) 9/25/2005 (1 unit)
Dyno Nobel – Site B	RFI Phase II Report approval CA200 (SWMU #6)	3/1/05
Dyno Nobel – Tooele Test Site	RFI Report Approval CA 200	11/16/04
	Corrective action complete CA999 (1 unit)	11/16/04
Engelhard Corp.	RFI workplan approval CA150 [SWMU 20E (Phase 3)]	6/29/05
	Corrective action complete CA 999	10/15/04

FACILITY	ACTIVITY	ACTION DATE
	[SWMU 20E (45 acres)]	
Ensign-Bickford Company	Stabilization Measure Imposed/Interim Measure approved CA600	10/12/05
Reilly Industries	Human Health EI CA 725	9/27/2005
	RFI Phase II workplan approval CA150	10/4/2004
Westinghouse – Western Zirconium	Human Health EI CA 725	9/8/2005
	RFI Phase II Report approval CA200 (ponds)	6/2/2005
Geneva	Groundwater EI CA 750	Pending
Tooele Army Depot	Corrective action complete CA 999 (3 units)	10/3/2004
	CMS workplan approval addendum (1 unit)	10/14/2004
	CMI workplan approval (2 units)	7/27/2005
Deseret Chemical Depot	Corrective action complete CA 999 (2 units)	

According to RCRAInfo, Utah has 39 RCRA TSD facilities that are subject to Corrective Action authority.

In addition to the above corrective action activities with RCRAInfo codes, The UDSHW also approved the following corrective action activities: a Ecological Risk Assessment Wavier for specific SWMUs at Westinghouse – Western Zirconium on 5/26/05, a Pilot Test Work Plan for in situ remediation of perchlorate contamination in the groundwater at ATK Thiokol Inc. – Promontory facility on 8/3/05, a workplan to evaluate ex-situ remediation of perchlorate contaminated soil at ATK Thiokol Inc. – Promontory facility on 8/26/05, and a revised Tier 1 Ecological Risk Assessment Report for the Ensign-Bickford facility on 10/14/04.

The UDSHW also continued to conduct oversight of following voluntary corrective action sites: Praxair – reviewed a risk assessment and provided comments on deficiencies, UP&L Annex 1 – conducted a review of a site management plan, UP& L Cedar Diesel – approved a site management plan on 8/23/05, and UP&L Jordan Substation – provided guidance on a TI petition. Ongoing oversight of groundwater monitoring as required through approved site management plans were conducted at Litton Defense Systems, Mosquito Abatement SLCC, and La-Z-Boy Tremonton. A risk assessment was approved for the Mosquito Abatement Box Elder.

### **Assessment, Ranking and Universe Identification**

According to RCRAInfo, of the 39 Utah TSDFs subject to corrective action, all 39 have been assessed through an RCRA Facility Assessment (RFA, CA050) or equivalent, and most have been given a CA rank (high, medium, low). After the assessment, 21 TSDFs were identified as needing CA beyond the assessment stage. Of the 21 facilities needing CA, 11 were ranked “high” for their potential or actual releases of hazardous contamination. In 1997, these 11 facilities were established as the Utah Corrective Action Baseline Universe. Stabilization evaluations (CA225) have been completed for the 11 high-ranked facilities.

### **Evaluation and Accomplishment of Environmental Indicators**

Thanks, in part, to the hard work, dedication, and perseverance by Utah, Region 8 met the 2005 GPRA goal for Corrective Action one year early. The State of Utah completed Human exposures and Ground Water with controls in place.

The following table summarizes the FY 2005 projections and achievements.

<b>FY 2005 Hazardous Waste Program Projections and Achievements for Utah</b>				
<b>Event</b>	<b># of Facilities or Units</b>	<b>Achieved by FY2004</b>	<b>FY 2005</b>	
			<b>Projected</b>	<b>Achieved</b>
<b>Closure Activities</b>				
Closure Plan Approval (CA360) for LDUs	55	41		6
Closure Verification (CL380) for LDUs	55	32		13
Closure Plan Approval (CA360) for TSUs	109	81	7	7
Closure Verification (CL380) for TSUs	109	67	9	6
Closure Plan Approval (CA360) for CUs	5	3		
Closure Verification (CL380) for CUs	5	2		
<b>Post-Closure Activities</b>				
Post Closure Facilities under Approved Controls (via PC Permit or other approved control). Manual counts	16	12		
Post Closure Permit (PC200) Issuance for LDUs	55	9	5	9
Post Closure Permit (PD200) Renewal for LDUs	n/a	n/a		
<b>Operating Permit Activities</b>				
Operating Facilities Under Approved Controls (via OP200, OP240 or other approved control). Manual counts	19	13		
Operating Permit Issuance (OP200) for LDUs	5	5		
Operating Permit Renewal (OP200) for LDUs	n/a	n/a		
Operating Permit Issuance (OP200) for TSUs	126	110	9	1

<b>FY 2005 Hazardous Waste Program Projections and Achievements for Utah</b>				
Operating Permit Renewal (OP200) for TSUs	n/a	n/a	24	30
Operating Permit Issuance (OP200) for CUs	10	10		
Operating Permit Renewal (OP200) for CUs	n/a	n/a		
<b>Corrective Action Activities</b>				
RCRA Facility Assessments (CA050)	11	11		
Overall Facility NCAPS Ranking (CA075)	11	11		
Facility Stabilization Assessment (CA225)	11	11		
RFI Imposed (CA100)	n/a	n/a		
RFI Approval (CA200)	n/a	n/a	9	9
Remedy Selection (CA400) Entire Facility GPRA	11	1		
Remedy Selection (CA400) Area Level	101	37		
Construction Completion (CA550) Entire Facility GPRA	11	1		
Construction Completion (CA550) Area Level	101	7		
Stabilization Measures Implemented (CA600)	n/a	n/a		
Stabilization Construction Completed (CA650)	n/a	n/a		
Human Health Exposures Controlled Determination (CA725) Entire Facility GPRA	11	7	2	2
Groundwater Migration Controlled Determination (CA750) Entire Facility GPRA	11	7	1	0
Corrective Action Completed (CA999)	n/a	n/a	4	5

## **COMPLIANCE MONITORING AND ENFORCEMENT**

The UDSHW made significant changes to its compliance and enforcement program in FY 2005. A detailed tracking system for all compliance and enforcement activities was developed and implemented. This new system has dramatically reduced (180 days on average) the number of days it takes to complete Stipulations and Consent Orders.

In FY 2005, the UNIFORM ENFORCEMENT OVERSIGHT SYSTEM was used to evaluate the UDSHW's compliance and enforcement activities. Listed below are the 14 evaluation criteria and corresponding summary narrative. Supporting RCRAInfo documentation is attached.

### **1. Degree to which state program has completed the universe of planned inspections (covering core requirements and federal, state, and regional priorities).**

The UDSHW exceeded the Compliance Monitoring Plan commitments for FY 2005. A total of 57 inspections were scheduled and 75 were conducted. Completed inspections met core requirements and federal, state, and regional priorities. The UDSHW also conducted 200 compliance assistance evaluations at small businesses.

**2. Degree to which inspection reports document inspection findings, including accurate identification of violations.**

The UDSHW inspection reports for FY 2005 are of high quality and accurately identify inspection findings. The reports are clear and concise and support subsequent violation determination conclusions.

**3. Degree to which inspection reports are completed in a timely manner, including timely identification of violations.**

All of the inspection reports for FY 2005 were completed within the 45-day time frame.. The CME inspection report for Envirocare was completed within 140 days, 125 days prior to the required time frame for a CME. Three inspections, one for TEAD, one for Clean Harbors Grassy Mountain, and one for Dugway were O&M inspections which required sampling and the resulting analysis. With the exception of Dugway, these reports were completed within days of the receipt of the analytical data from the respective facilities laboratories. The reports could not be finished without the data and as such were not subject to the 45-day time frame. The Dugway O&M report was completed within 45 days of the CEI portion of the O&M inspection.

An O&M inspection at the Utah Test and Training Range was initiated in FY05 on July 5, 2005. During the initial two day visit, inspectors oversights the collection of groundwater samples at Landfill #5. The second component of the O&M was to oversight a contractor for the Air Force, Aquavision, utilize a down hole technology to try and determine a long standing concern about the actual groundwater flow direction in the area. This effort took place on October 26, 2005. The UDSHW received the Air Force Groundwater Monitoring Report on October 31, 2005 and is waiting for the Aquavision report on groundwater flow. It is anticipated to be submitted in late November of 2005. The date of receipt of the report will be considered the last day of the inspection and the O&M will be entered in RCRAInfo. The submittal of these two reports is critical to finalization of the UDSHW O&M inspection report.

**4. Degree to which significant violations are reported to EPA in a timely manner.**

The UDSHW inspection reports are submitted to EPA as requested. Copies of all enforcement actions are submitted to EPA upon issuance.

**5. Degree to which state enforcement actions require injunctive relief that will return facilities to compliance in a specific time frame.**

All enforcement actions taken by the UDSHW were appropriate for the violations identified during the inspections and required the appropriate injunctive relief.

The following is provided to clarify certain inspection findings and the content of subsequent enforcement actions:



In the November 5, 2004 Warning Letter to Thermo Fluids, one minor issue that was documented in the inspection report was not included in the official Warning Letter issued to Thermo Fluids, and therefore, this issue was not entered into RCRAInfo. A roll-off container used for storing un-drained used oil filters at Thermo Fluids was not properly labeled “used oil.” Even though this issue was not listed in the Warning Letter, the inspectors discussed this issue with Thermo Fluids at the time of the inspection and they implemented procedures to correct the problem. Thermo Fluids no longer changes out its roll-off containers but keeps the same one on site at all times that is properly labeled “used oil.”

In the Notice of Violation (NOV) issued to Valley Oil on October 1, 2004, three areas of concern were addressed in the cover letter to the NOV and the more serious issues observed during the inspection were listed as “findings” within the body of the NOV. Valley Oil responded to the issues addressed in the cover letter (and the NOV) within 7 days (October 8, 2004 letter) providing a revised annual report, and evidence that an environmental consultant had been hired and was the process of implementing spill plan training for the drivers and procedures to ensure compliance with all requirements. The three issues in the cover letter were not part of the findings in the NOV and therefore, were not entered into RCRAInfo.

On October 17, 2005 EPA brought to the DSHW attention possible discrepancies between the inspection report for IBC Advanced Technologies report and subsequent NOV issued on July 29, 2005. The issues identified consisted of a bulging drum and missing entry on a selected manifest. The issue with bulging drum was not considered violation due to the explanation provided by facility personnel and documented in the inspection report. The second issue regarding a manifest that did not contain a waste code was an oversight and was brought the attention of the facility in a subsequent letter.

#### **6. Degree to which State takes enforcement actions in a timely manner.**

In FY 2005, 26 enforcement actions were issued by the UDSHW. Twenty five of the actions were issued within the required time frame. An NOV/CO issued to Emerald Oil exceeded the 180 day time frame by 21 days.

There were fifteen settlement actions (SCO) negotiated in FY 2005. (Need penalty for TOCDF) Ten of the SCOs were submitted for public comment within the required time frame (360 days from the last day of inspection). Five SCOs were not timely as follows: ATK Thiokol Inc. – Bacchus - 67 days late, Clean Harbors Aragonite – 129 days late, Clean Harbors Grassy Mountain – 55 days late, TEAD – 60 days late, Envirocare – 34 days late. EPA was advised during the FY 2004 end-of-year review that the Clean Harbors, TEAD, and Envirocare SCOs would be late. Two of the SCOs were to resolve NOV/COs issued to Clean Harbors Aragonite and TEAD, both of the facilities were required to conduct trail burns/performance tests. The SCO could not be completed until after the tests were conducted, hence casing the two SCOs to be late.

**7. Degree to which the State includes both gravity and economic benefit calculations for all penalties.**

Both gravity and economic benefit criteria were considered for all UDSHW settlements in FY 2005. The penalty calculations sheets were well documented and provided the basis for the settlements.

**8. Degree to which final enforcement actions (settlements or judicial results) collect appropriate economic benefit and gravity portions of a penalty, in accordance with penalty policy considerations.**

Both gravity and economic benefit were collected for all UDSHW settlements in FY 2005, as appropriate. The penalty calculations sheets were well documented and provided the basis for the settlements.

There were fifteen settlement actions (SCO) negotiated in FY 2005 representing \$360,518 in penalties.

**9. Degree to which enforcement and compliance commitments in agreement were completed and of high quality, including products or deliverables that were funded by the Performance Partnership Grant.**

All enforcement and compliance commitments in the PPA were completed and of high quality. Inspection reports and enforcement actions were routinely sent to EPA.

**10. Degree to which the state Minimum Data Requirements are timely.**

The following provides a breakdown of RCRAInfo data entries by Section:

Used oil: 49 of 53 used oil program activities entered into RCRAInfo were timely and met the 20<sup>th</sup> day of the following month deadline for a total of 92%.

Hazardous Waste Facilities: Six of seven (86%) required data elements were entered into RCRAInfo by the 20<sup>th</sup> day of the following month. One date of an enforcement action was entered into RCRAInfo 22 days late.

Hazardous Waste Management: 34 of 45 (75%) date entry requirements were timely.

Commercial Federal Facilities: 37 of 45 (78%) were entered into RCRAInfo by the 20<sup>th</sup> day of the following month.

Chemical Demilitarization: All compliance data was entered into RCRAInfo within the required timeframes except for penalty payment data. This was entered after a meeting with EPA in which this deficiency in data entry was pointed out by EPA staff.

**11. Degree to which the state Minimum Data Requirements are accurate.**

FY 2005 data entered into RCRAInfo are accurate.

**12. Degree to which the state Minimum Data Requirements are complete.**

FY 2005 data entered into RCRAInfo are complete.

**13. Materials are generally submitted on time.**

Compliance and Enforcement inspection reports and actions were submitted to EPA in a timely manner. The majority of the materials DSHW submitted to EPA were sent certified mail.

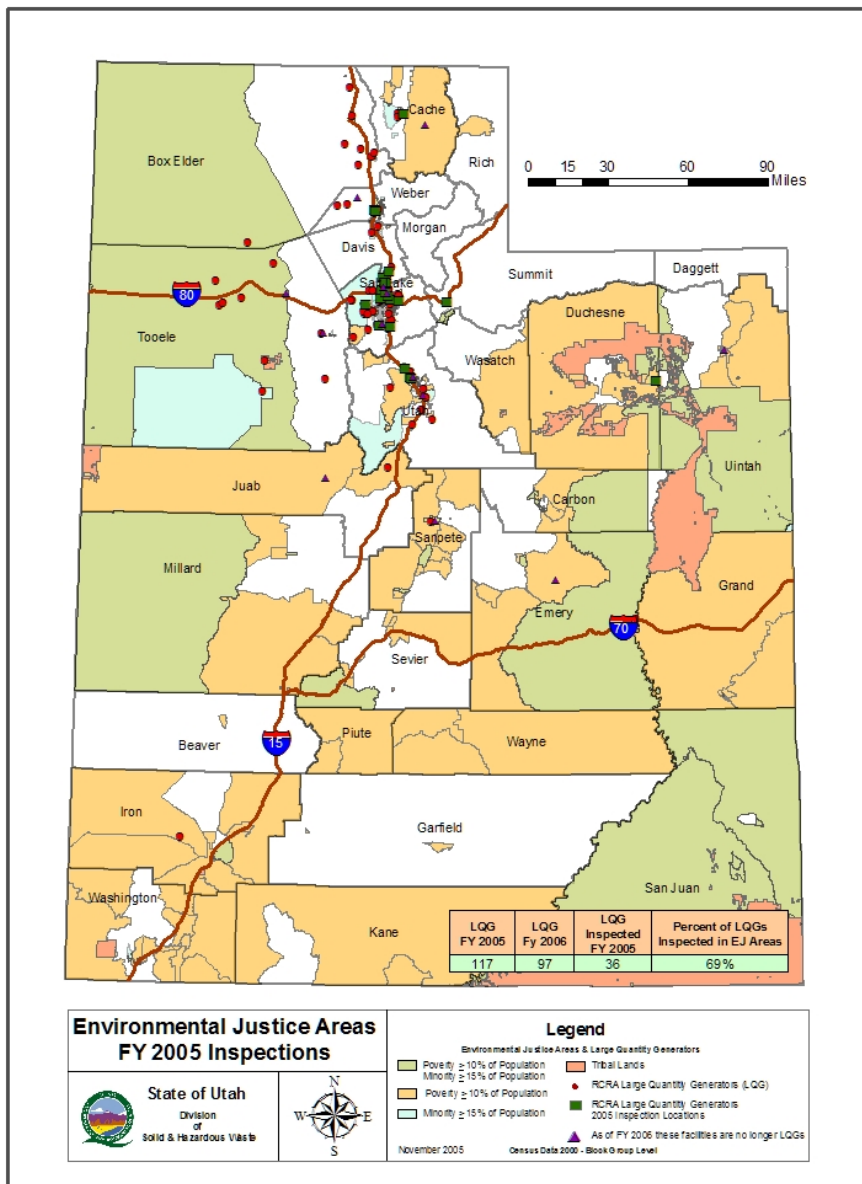
**14. Alternative Projects Evaluation.**

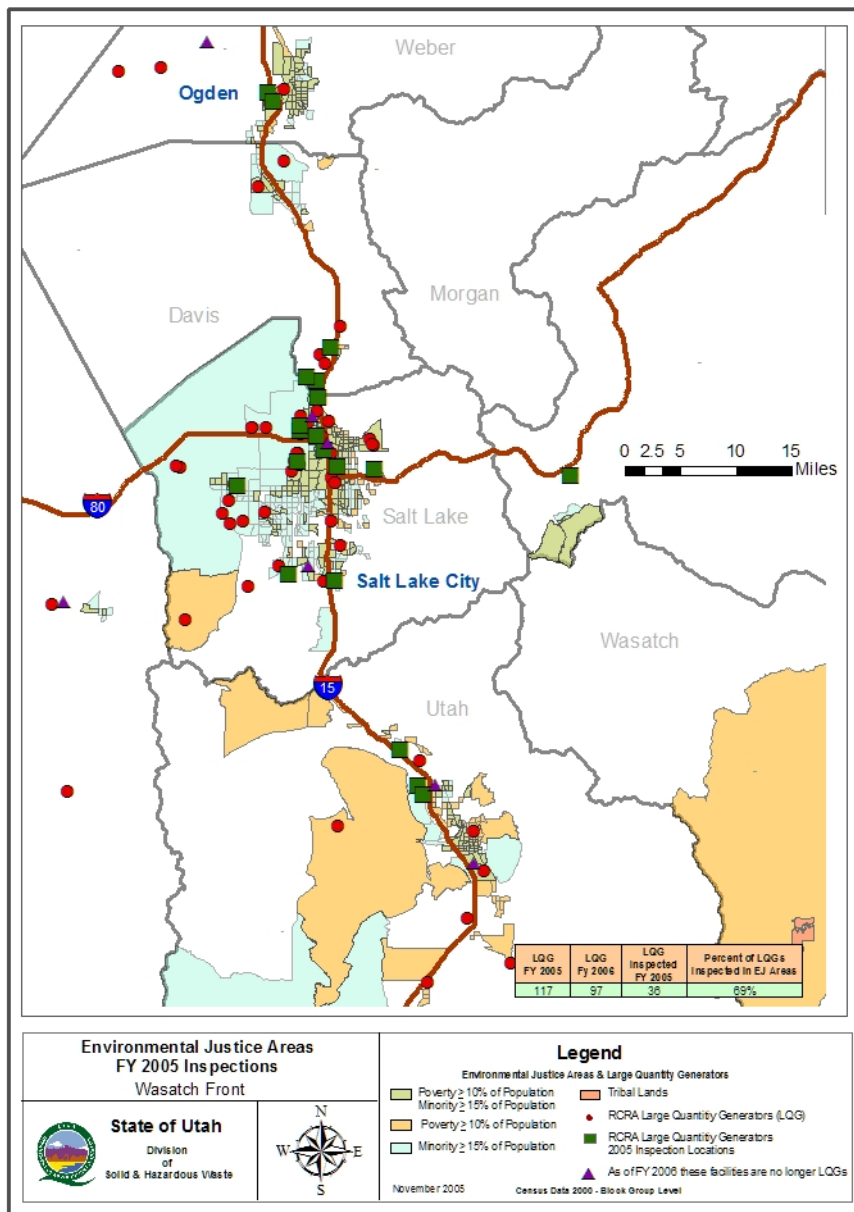
Not Applicable.

**ENVIRONMENTAL JUSTICE**

One hundred seventeen LQGs were identified for FY2005, 36 of which were targeted for inspection during the year. Twenty five of the 36 generator inspections (69%) conducted were in Environmental Justice (EJ) Areas as defined by minority population and poverty. The State wide map below identifies additional inspections conducted in EJ areas. All of the inspections conducted by the CFF section and the Chem Demil section were in EJ areas.

The following is a detailed map of the Wasatch Front area it terms of inspections performed in EJ areas.





## **PROGRAM MANAGEMENT**

### **2005 State Legislation**

A special task force established by the Utah Legislature completed a study of regulatory and policy issues related to radioactive and hazardous waste management in Utah. The Hazardous Waste Regulation and Tax Policy Task Force issued a final report of its findings and recommendations in November 2004. As a result of the work completed by this task force, legislation (Senate Bill 24) was drafted and subsequently enacted to address important areas identified in the task force report. Specifically, Senate Bill 24 made the following amendments to the Utah Solid and Hazardous Waste Act (19-6-101, *et seq.*, Utah Code Annotated):

Require the Utah Solid and Hazardous Waste Control Board to review and report to the Legislature every five years:

The adequacy of the amount of financial assurance required for closure and post-closure care of a commercial hazardous waste TSD facility;

Whether funds or financial assurance are necessary and, if necessary, the adequacy, for perpetual care and maintenance of a commercial hazardous waste TSD facility; and

The adequacy of any funds or financial assurance required to cover certain costs;

Increase the civil penalty amount from \$10,000 to \$13,000 per day for violating solid and hazardous waste laws, orders, permits, and rules; (This increase equals the same cumulative percent increase EPA has made to its RCRA civil penalties from \$25,000 to \$32,500.)

Clarify items related to the applicability, payment, and calculation of disposal fees;

### **Authorization**

In February, 2005, the UDSHW submitted a revised statutory checklist to EPA. Also, in May, 2005, UDSHW submitted for EPA's review two sets of draft rules addressing checklists 200, 202, 204, 205, 206, and 207. No response from EPA has been received regarding either submittal. Rulemaking is pending a response from EPA on the proposed rule changes.

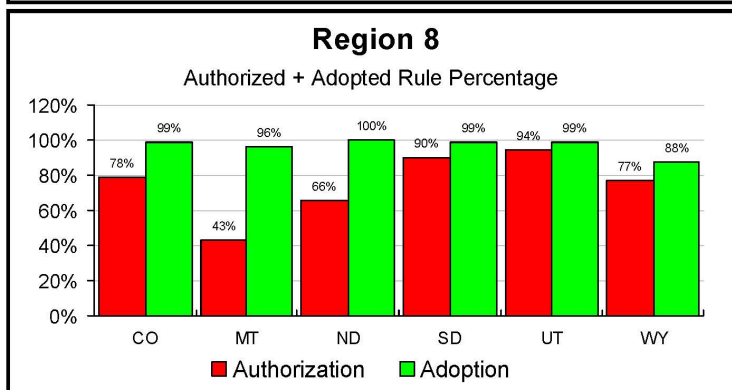
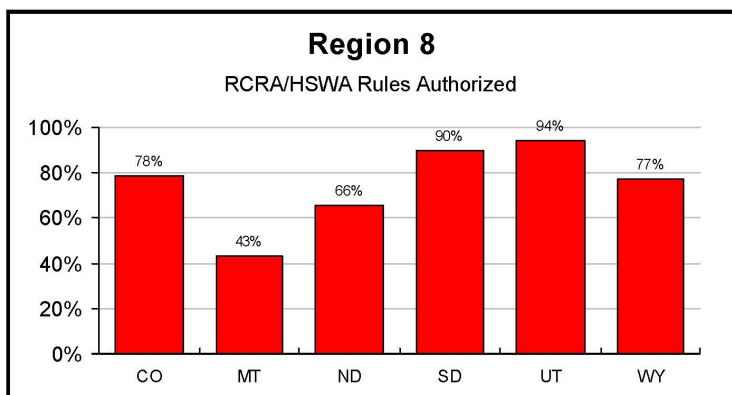
The table below identifies those federal hazardous waste regulations which require adoption by UDSHW.

**ATTACHMENT**  
**UTAH HAZARDOUS WASTE PROGRAM**  
**RULE ADOPTION STATUS – FY 2005**  
**RCRA Hazardous Waste Regulations**

EPA REVISION CHECKLIST #	ADD- ENDUM	FEDERAL REQUIREMENT	HSWA OR FR REFERENCE	EPA PROMULGATION DATE	UTAH CONTROL BOARD ADOPTION DATE	UTAH EFFECTIVE DATE	UTAH ADMINISTRATIVE CODE REFERENCE
200		Zinc Fertilizers Made from Recycled Hazardous Secondary Materials	67 FR 48393	7/24/02	Rulemaking Pending		
202		NESHAP: Standards for Hazardous Air Pollutants for Hazardous Waste Combustors; Corrections 2	67 FR 77687	12/19/02	Rulemaking Pending (Draft under EPA review)		
203		Hazardous Waste Management System; Identification and Listing of Hazardous Waste; Recycled Used Oil Management Standards	68 FR 44659	7/30/03	Rulemaking Pending		
204		National Environmental Performance Track Program Correction	69 FR 21737 69 FR 62217	4/22/04 10/25/04	Rulemaking Pending (Draft under EPA review)		
205		National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-duty Trucks	69 FR 22601	4/26/04	Rulemaking Pending (Draft under EPA review)		
206	13	Nonwastewaters from Dyes and Pigments	70 FR 9138	2/24/05	Rulemaking to be completed by July 2006 (Draft under EPA review)		
207	13	Uniform Hazardous Waste Manifest Rule	70 FR 10776	3/4/05	Rulemaking to be completed by July 2006 (Draft under EPA review)		

The following charts, taken from EPA's Web site, illustrate the authorization status of states within Region 8.

STATS Data as of March 31, 2005

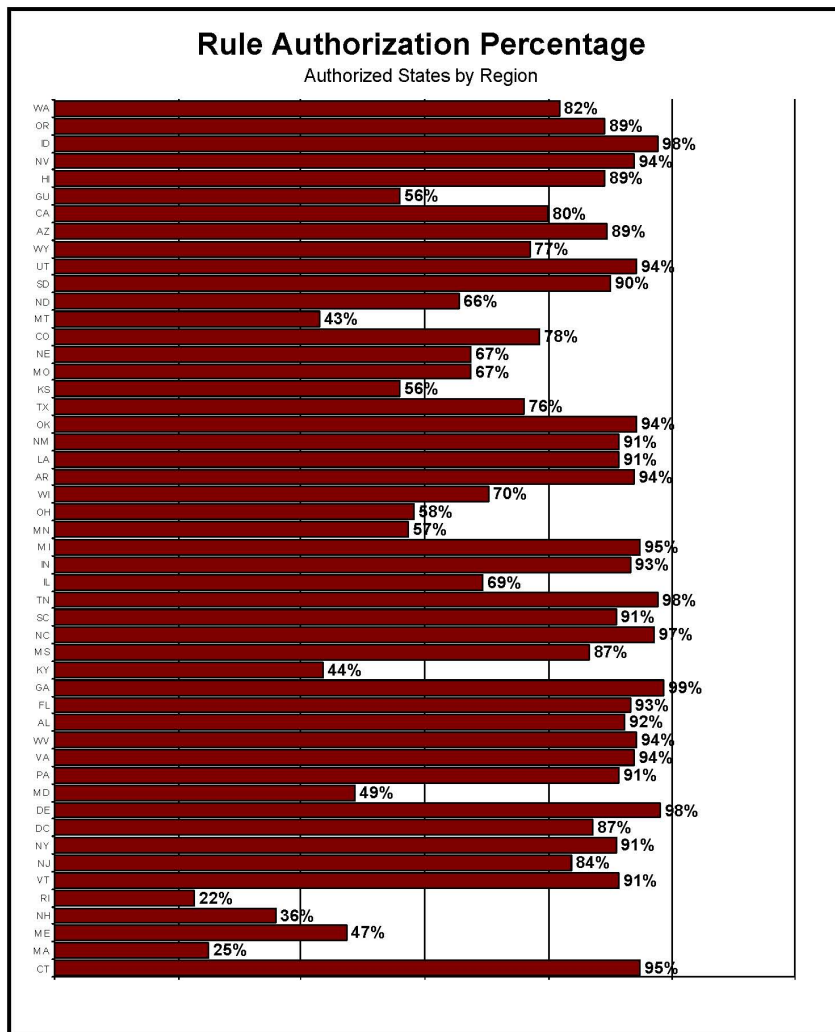


Percentage based on total number of required rules through RCRA XIII = 209

Total number of required rules adopted/authorized to date:

	Authorized	Adopted
CO	164	206
MT	90	201
ND	137	209
SD	188	206
UT	197	206
WY	161	183





### Memorandum of Agreement

During FY 2005, UDSHW and EPA reviewed the existing Memorandum of Agreement (MOA) and exchanged recommendations for amending the MOA in order to update and clarify individual and joint roles and responsibilities in administering and overseeing the hazardous waste program.

## **Information Management**

Both UDSHW and EPA staff attended the 2005 RCRAInfo National Users Conference. The conference provided key information and training regarding the upcoming release of RCRAInfo Version 3. The new version incorporates recommendations made by the Handler Monitoring and Assistance Program Area Analysis Team—a partnership of EPA and state participants formed under the WIN/INFORMED Project. This team was responsible for evaluating data needs and database improvements associated with the hazardous waste compliance and enforcement program.

In follow up to the national conference, EPA and the states within Region 8 agreed to hold periodic conference calls among data management staff in order to discuss common database issues and to provide opportunities for improved technical assistance.

UDSHW participated in the evaluation of the following reports released for national review:

- Handler Monitoring and Assistance Module Design
- Permitting & Corrective Action Program Area Analysis
- Site Identification
- Change Management Process

EPA's implementation of the new projections and achievements report in RCRAInfo provides welcomed improvements in the preparation of the annual Performance Partnership Agreements (PPAs).

## **Training**

In recognition of the need to prepare future leaders in the various environmental programs, Utah DEQ has developed a leadership development program to meet that need.

The UDSHW continues to provide training to its staff. Utah DEQ provides a number of training courses for UDSHW staff:

**DEQ 101** – A seminar that provides a brief overview of the roles and responsibilities of each office and division within the department. (3 ½ hours)

**Total Quality Advantage** – A summary course that introduces participants to quality improvement concepts and provides a rudimentary understanding of the 5 pillars of quality in an organization. (1 day)

**Getting Work Done With Others** – This course focuses on interpersonal communication, presentation, conflict management, problem solving, team building skills, and cultural and diversity awareness. (3 ½ days)

**Adapting to Change** – This course focuses on personal learning styles, visioning, assessing potential, implementing change, using creativity, being resilient, handling stress, and empowering others. (3 days)

**Excellence in Supervision** – This course is designed to hone the people skills, including resource management, leadership, coaching, managing for diversity, and conflict resolution necessary to be an effective leader. (3 ½ days)

**High Conflict Conversations** – This course helps participants develop interpersonal communication skills that will help them deal with conflict and difficult communication situations in a constructive manner. This class in particular has been of great help given our currently relationship with EPA. (1 day)

**Leadership Development Course** – Participants meet monthly to discuss a variety of topics that are relevant to DEQ. The curriculum is designed to apply many of the competencies directly to activities within DEQ. Classes consist of a selected representative from EDO and each of the Divisions in DEQ and are mentored by a DEQ senior manager. Participants also complete leadership/employee development classes, independent studies, prepare a brown bag presentation, participate in a rotation through DEQ divisions and offices, and complete a group project. Completion of the program takes two years. New classes begin in January of every year.

UDSHW staff also attended key training addressing RCRA Financial Assurance, emergency response, risk assessment, incineration, and environmental enforcement.

### **Resource Levels**

Program funding from EPA remained unchanged for FY 2005 from previous fiscal years. The majority of the funding for the hazardous waste program in Utah comes from state funding sources. Specifically, revenues generated by state hazardous waste disposal fees comprise 35% of UDSHW's program budget. Additionally, both hazardous and nonhazardous waste disposal fees account for 56% of the FY 2005 UDSHW budget. For the 2005 state fiscal year (July 1, 2004 to June 30, 2005), the Utah Legislature appropriated \$6,627,600 to UDSHW for the solid and hazardous waste programs.

The number of UDSHW staff and professional skill mix remained unchanged during FY 2005.

### **Technical Assistance**

### **Attachments**

Evaluations Performed during FY 2005  
Enforcement Actions Take during FY 2005  
Penalties Collected during FY 2005

## **SIGNATURES**

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Steve Burkett, Director  
Solid and Hazardous Waste Program  
U.S. Environmental Protection Agency – Region 8

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Sharon Kercher, Director  
Technical Enforcement Program  
U.S. Environmental Protection Agency – Region 8

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Dennis R. Downs, Director  
Division of Solid and Hazardous Waste  
Utah Department of Environmental Quality

# **ATTACHMENTS**

**Compliance Monitoring and Enforcement  
FY 2005 REPORTS**

**UTAH DIVISION OF SOLID AND HAZARDOUS WASTE  
EVALUATIONS - FY 2005**

UTD000826370	<b>AMOCO CLOSED HWMF</b>	1700 NORTH 1200 WEST	SALT LAKE CITY	84103	UT	TR	L-----
03/31/05	OAM OPERATION AND MAINTENANCE INSPECTION	Agency Staff					
	Type	UT STATE	ED				
UTD048406144	<b>ASHLAND DISTRIBUTION COMPANY</b>	FREEPORT CENTER, BLD	CLEARFIELD	84016	UT	LG TR	UO ---S- O
09/15/05	CEI COMPLIANCE EVALUATION INSPECTION ON-SITE	Agency Staff					
	Type	UT STATE	CDR				
UTR000004739	<b>ATK MONITORING WELL (STARLEY PROPERTY)</b>	3155 SOUTH 7200 WEST	MAGNA	84044	UT	LG	-----
09/08/05	CEI COMPLIANCE EVALUATION INSPECTION ON-SITE	Agency Staff	WMW				
	Type	UT STATE					
UTD982589061	<b>BARNES AEROSPACE - OGDEN DIVISION</b>	1483 W. 2550 S.	OGDEN	84401	UT	LG	-----
04/19/05	CEI COMPLIANCE EVALUATION INSPECTION ON-SITE	Agency Staff	SMH				
	Type	UT STATE					
UTR000005124	<b>BASIN PETROLEUM INC.</b>	1157 EAST 135 SOUTH	VERNAL	84078	UT	UO	-----
08/22/05	CEI COMPLIANCE EVALUATION INSPECTION ON-SITE	Agency Staff					
	Type	UT STATE	PJS				
04/01/05	FRR FINANCIAL RECORD REVIEW	UT STATE	PJS				
UTD060381977	<b>BD MEDICAL</b>	9450 S. STATE STREET	SANDY	84070	UT	LG	-----
02/24/05	CEI COMPLIANCE EVALUATION INSPECTION ON-SITE	Agency Staff	JGP				
	Type	UT STATE					
UTD072968878	<b>BENNETTS ECONOMY SANITATION INC</b>	160 EAST HELM AVE	SALT LAKE CITY	84115	UT	TR	-----
06/14/05	CEI COMPLIANCE EVALUATION INSPECTION ON-SITE	Agency Staff	JWS				
	Type	UT STATE					
UTD045267127	<b>BIG WEST OIL LLC</b>	333 WEST CENTER STRE	NORTH SALT LAKE	84054	UT	LG	L-----
06/20/05	OAM OPERATION AND MAINTENANCE INSPECTION	Agency Staff	DMM				
	Type	UT STATE					
UTD097767180	<b>BOURNS INC PRECISIONS DIVISION</b>	2533 NORTH 1500 WEST	OGDEN	84404	UT		-----
04/27/05	CEI COMPLIANCE EVALUATION INSPECTION ON-SITE	Agency Staff	ED				
	Type	UT STATE					
UTD980718886	<b>BOURNS NETWORKS</b>	1400 NORTH 1000 WEST	LOGAN	92507	UT		----- O
04/27/05	CEI COMPLIANCE EVALUATION INSPECTION ON-SITE	Agency Staff	TAM				
	Type	UT STATE					

UTR000007641	<b>CAMERON</b>		1442 EAST HIGHWAY 40	VERNAL		84078	UT	CG	----- O
Date	Type		Agency	Staff					
04/18/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE	JGP					
UTD092029768	<b>CHEVRON PRODUCTS COMPANY</b>		2351 NORTH 100 WEST	SALT LAKE CITY		84116	UT	LG	L-----
Date	Type		Agency	Staff					
07/21/05	OAM OPERATION AND MAINTENANCE	INSPECTION	UT STATE	RDP					
UTT000624577	<b>CHEVRON SALT LAKE CITY TERMINAL</b>		2350 NORTH 1100 WEST	SALT LAKE CITY		94583	UT	LG	-----
Date	Type		Agency	Staff					
12/09/04	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE	RDP					
UTD981552177	<b>CLEAN HARBORS ARAGONITE LLC</b>		11600 NORTH APTUS RO	ARAGONITE		84029	UT	LG	UO -I-S- O
Date	Type		Agency	Staff					
09/27/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE	RAP					
04/14/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT EPA	R8ERJ					
UTD991301748	<b>CLEAN HARBORS GRASSY MOUNTAIN, LLC.</b>		EXIT 41 OFF I-80 3 M	GRASSY MOUNTAIN		84029	UT	LG	L---ST O
Date	Type		Agency	Staff					
09/29/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE	EGC					
08/24/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT EPA	R8ERJ					
03/15/05	OAM OPERATION AND MAINTENANCE	INSPECTION	UT STATE	HG					
UT5210090002	<b>DESERET CHEMICAL DEPOT</b>		PO BOX 250	STOCKTON		84071	UT	LG	LI-ST O
Date	Type		Agency	Staff					
09/29/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE	TIB					
UT3750211259	<b>DUGWAY PROVING GROUND</b>		COMMANDER, U.S. ARMY	DUGWAY		84022	UT	LG	LI-ST O
Date	Type		Agency	Staff					
09/20/05	OAM OPERATION AND MAINTENANCE	INSPECTION	UT STATE	DWT					
08/15/05	OAM OPERATION AND MAINTENANCE	INSPECTION	UT OVERSIGHT	R8LSJ					
UTR000007435	<b>EMERALD SERVICES, INC.</b>		1725 WEST 1500 SOUTH	SALT LAKE CITY		84104	UT		UO -----
Date	Type		Agency	Staff					
05/10/05	OTH OTHER EVALUATION		UT STATE	DSW					
UTR000007518	<b>EMERALD SERVICES, INC.</b>		1000 NORTH WARM SPRI	SALT LAKE CITY		84116	UT		TR UO -----
Date	Type		Agency	Staff					
07/20/05	OTH OTHER EVALUATION		UT STATE	DSW					
UTR000007831	<b>EMERALD SERVICES, INC.</b>		500 SOUTH 650 WEST	SALT LAKE CITY		84104	UT	CG	TR UO -----
Date	Type		Agency	Staff					
08/24/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE	SS					

UTR000008201	<b>EMERALD SERVICES, INC.</b>	2450 SOUTH 800 WEST	SALT LAKE CITY	84119	UT	TR	UO	-----	O
Date	Type	Agency	Staff						
08/24/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	SS					
UTD982598898	<b>ENVIROCARE OF UTAH, INC.</b>	U.S. INTERSTATE 80,	CLIVE	84029	UT	LG	UO	L--ST	O
Date	Type	Agency	Staff						
09/30/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	DGV					
08/23/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT EPA	R8ERJ					
01/31/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	GL					
10/12/04	CME COMPLIANCE (GW) MONITORING EVALUATION		UT STATE	HG					
UTD073008237	<b>FAIRCHILD SEMICONDUCTOR</b>	3333 WEST 9000 SOUTH	WEST JORDAN	84088	UT	LG		-----	
Date	Type	Agency	Staff						
08/09/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	DMM					
UTD049779325	<b>FMCTI JETWAY SYSTEMS (EAST)</b>	3100 S. 1100 W.	OGDEN	84401	UT	LG		-----	
Date	Type	Agency	Staff						
09/07/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	RLS					
UTR000006569	<b>FORELAND TRANSPORTATION</b>	2561 SOUTH 1560 WEST	WOODS CROSS	84087	UT	TR		-----	
Date	Type	Agency	Staff						
06/29/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	JWR					
UTD009086133	<b>GENEVA STEEL LLC</b>	10 SOUTH GENEVA ROAD	VINEYARD	84058	UT	LG		L----	
Date	Type	Agency	Staff						
04/21/05	OAM OPERATION AND MAINTENANCE INSPECTION		UT STATE	EB					
UTD070534623	<b>GOLDEN EAGLE OIL REFINERY, INC.</b>	1474 WEST 1500 SOUT	WOODS CROSS	84087	UT		UO	-----	
Date	Type	Agency	Staff						
09/07/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT OVERSIGHT	R8ERJ					
UTD982590002	<b>HECLA MINING CO APEX MINE</b>	25 MILES WEST OF ST	ST GEORGE	84771	UT	SG		-----	
Date	Type	Agency	Staff						
05/17/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT EPA	R8S					
UT0571724350	<b>HILL AIR FORCE BASE</b>	7274 WARDLEIGH ROAD	HILL AIR FORCE	84056	UT	LG	TR	UO	---S-
Date	Type	Agency	Staff						
09/29/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	BCR					
09/14/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	JWR					
UTD988077921	<b>IBC ADVANCED TECHNOLOGIES INC.</b>	505 EAST 1860 SOUTH	PROVO	84606	UT			-----	
Date	Type	Agency	Staff						
03/30/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	RDP					



UTR000000232	<b>TBC ADVANCED TECHNOLOGIES, INC.</b>	856 EAST UTAH VALLEY	AMERICAN FORK	84003	UT	LG	-----
Date	Type	Agency	Staff				
03/30/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE RDP				
UTT500010152	<b>L-3 COMMUNICATION</b>	322 NORTH 2200 WEST	SALT LAKE CITY	84116	UT	LG	-----
Date	Type	Agency	Staff				
07/27/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE SMH				
UTR000000307	<b>L-3 COMMUNICATIONS</b>	640 NORTH 2200 WEST	SALT LAKE CITY	84116	UT	LG	-----
Date	Type	Agency	Staff				
07/27/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE SMH				
UTR988074837	<b>NATIONAL TANK &amp; MONITORING</b>	3856 WEST 5400 SOUTH	SALT LAKE CITY	84118	UT	TR	-----
Date	Type	Agency	Staff				
08/04/05	OTH OTHER EVALUATION	UT STATE JWS					
UTD982595795	<b>NORTHEAST CASUALTY REAL PROPERTY, L</b>	EXIT 41 OFF I-80	CLIVE	84029	UT	LG	---S- O
Date	Type	Agency	Staff				
08/24/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT EPA R8ERJ				
08/24/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE EGC				
UTD982589459	<b>NUSET INDUSTRIES, AKA ORRCO</b>	WAS PU 977 SOUTH 700 WEST	SALT LAKE CITY	84114	UT	CG TR	UO -----
Date	Type	Agency	Staff				
08/17/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE JWR				
UTR000000539	<b>O.C. TANNER MANUFACTURING CO.</b>	1930 SOUTH STATE STR	SALT LAKE CITY	84115	UT	LG	----- O
Date	Type	Agency	Staff				
08/11/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE AFP				
UTR000002733	<b>OASIS INDUSTRIES INC.</b>	14233 SOUTH 2700 WES	BLUFFDALE	84065	UT		-----
Date	Type	Agency	Staff				
09/29/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE DSW				
05/13/05	OTH OTHER EVALUATION	UT STATE PJS					
UTD982589848	<b>OMG AMERICAS APEX OPERATION</b>	MILE 15 HIGHWAY 91 W	ST GEORGE	84770	UT	SG	-----
Date	Type	Agency					
05/16/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT EPA R8S				
UTD072988173	<b>PARISH CHEMICAL COMPANY</b>	145 NORTH GENEVA ROA	VINEYARD	84057	UT	LG	-----
Date	Type	Agency	Staff				
08/26/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE JGP d				
UTD073093874	<b>PENNZOIL COMPANY (FORMERLY SEAGULL)</b>	1 1/2 MI W ON HWY 40	ROOSEVELT	84066	UT	LG	-----
Date	Type	Agency	Staff				
04/20/05	OAM OPERATION AND MAINTENANCE INSPECTION	UT STATE JGP					

UTD009085101	QUALITY PLATING COMPANY, INC.	500 WEST 420 SOUTH	SALT LAKE CITY	84101	UT	SG	-----
Date	Type	Agency	Staff				
02/08/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	SMH			
UTD980951560	QUESTAR GAS COMPANY	1078 WEST 100 SOUTH	SALT LAKE CITY	84105	UT	LG	-----
Date	Type	Agency	Staff				
02/16/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	DMM			
UTD044701936	RECLAIM BARRELL SUPPLY CO.	8487 SOUTH 1700 WEST	WEST JORDAN	84084	UT		-----
Date	Type	Agency	Staff				
03/03/05	OTH OTHER EVALUATION	UT STATE	APP				
UTR000006502	SAFETY-KLEEN SYSTEMS, INC.	300 SOUTH MONTEREY S	SALT LAKE CITY	84104	UT	TR	-----
Date	Type	Agency	Staff				
09/01/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	PJS			
UTD980957088	SAFETY-KLEEN SYSTEMS, - SALT LAKE C	1066 S PIONEER ROAD	SALT LAKE CITY	84104	UT	LG	TR UO ---S-
Date	Type	Agency	Staff				
09/20/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	BAS			
09/01/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	PJS			
UTD980806244	SALT LAKE CIRCUITS	2036 WEST 2300 SOUTH	SALT LAKE CITY	84119	UT	LG	-----
Date	Type	Agency	Staff				
06/22/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	JGP			
UTR000007146	SPRING CITY CORPORATION	750 EAST 50 SOUTH	SPRING CITY	84662	UT	CG	-----
Date	Type	Agency	Staff				
04/13/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	ED			
UTD988078150	STERICYCLE, INC.	90 NORTH 1100 WEST	NORTH SALT LAKE	84054	UT	LG	TR
Date	Type	Agency	Staff				
02/16/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	ED			
UT0000003061	SUMP & TRAP CLEANING	155 NORTH 500 WEST	SALT LAKE CITY	84116	UT	TR	-----
Date	Type	Agency	Staff				
08/03/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	JWS			
UTD988074712	T W COMPANY	505 NORTH MAIN	NORTH SALT LAKE	84054	UT	SG	TR
Date	Type	Agency	Staff				
07/13/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	JWR			
UTD041310962	THE ENSIGN-BICKFORD COMPANY	8305 S HIGHWAY 6	SPANISH FORK	84660	UT	LG	TR
Date	Type	Agency	Staff				
10/26/04	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	HZ			

UTD982588675	<b>THE TRIUMPH GROUP, INC.</b>	6125 SILVER CREEK DR	PARK CITY	84068	UT	LG	----- O
Date	Type	Agency	Staff				
08/31/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	RLS			
UTR000008458	<b>THERMO FLUIDS INC.</b>	3545 WEST 500 SOUTH	SALT LAKE CITY	84101	UT		UO -----
Date	Type	Agency	Staff				
08/05/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	DSW			
02/23/05	OTH OTHER EVALUATION		UT STATE	DSW			
UT3213820894	<b>TOOELE ARMY DEPOT</b>	SJMTE-CS-EO	TOOELE	84074	UT	LG	LI-ST
Date	Type	Agency	Staff				
09/28/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	RAP			
09/14/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	CDR			
05/15/05	OAM OPERATION AND MAINTENANCE	INSPECTION	UT STATE	HZ			
UTR000005611	<b>TW COMPANY RAIL TRANSFER SITE</b>	175 SOUTH GLENN COUR	TOOELE	84074	UT	TR	-----
Date	Type	Agency	Staff				
12/14/04	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	JGP			
UTR000005942	<b>UNION PACIFIC RAILROAD</b>	MARBLEHEAD SIDING	TOOELE	84074	UT	CG	-----
Date	Type	Agency	Staff				
07/27/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	DMM			
UTD035388818	<b>UNIVAR USA INC.</b>	650 WEST 800 SOUTH	SALT LAKE CITY	84104	UT	LG	-----
Date	Type	Agency	Staff				
01/13/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	EB			
UTD980634752	<b>UTAH DOT DISTRICT SIX</b>	825 NORTH 900 WEST	OREM	84057	UT		-----
Date	Type	Agency	Staff				
06/01/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	SMH			
UTD980953863	<b>UTAH POWER &amp; LIGHT CO - EUREKA SUB</b>	EAST SIDE, 1 MI SE O	EUREKA	84628	UT		-----
Date	Type	Agency	Staff				
04/13/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	ED			
UTD093119980	<b>UTAH POWER &amp; LIGHT HUNTER PLANT</b>	HIGHWAY 10 SO. OF CA	CASTLE DALE	84513	UT	SG	UO -----
Date	Type	Agency	Staff				
06/16/05	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	JGP			
UTD000651653	<b>UTAH STATE UNIVERSITY</b>	8315 OLD MAIN HILL	LOGAN	84322	UT	LG	-----
Date	Type	Agency	Staff				
11/30/04	CEI COMPLIANCE EVALUATION	ON-SITE	UT STATE	SMH			
UTD570090001	<b>UTAH TEST AND TRAINING RANGE</b>	20 MILES NORTH OF EX	HILL AIR FORCE	84056	UT	LG	TR L----T O
Date	Type	Agency	Staff				

08/17/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE	CDR				
UTD988075669	<b>VALLEY OIL TRANSPORTATION, INC.</b>	1474	WEST 1500 SOUTH NORTH SALT LAKE	84087	UT	TR	UO	----- O
	Type		Agency Staff					
09/07/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT OVERSIGHT	R8ERJ				
UTD009438359	<b>VARIAN MEDICAL SYSTEM</b>	1678	SOUTH PIONEER R SALT LAKE CITY	84104	UT	LG		----- O
	Type		Agency Staff					
06/09/05	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE	RLS				
UTD009090580	<b>WOODS CROSS REFINERY</b>	393	SOUTH 800 WEST WOODS CROSS	84087	UT	LG		----- O
	Type		Agency Staff					
12/09/04	CEI COMPLIANCE EVALUATION	INSPECTION ON-SITE	UT STATE	AFP				

**UTAH DIVISION OF SOLID AND HAZARDOUS WASTE  
ENFORCEMENT ACTIONS  
FY 2005**

UTD001705029	<b>ATK THIKOL PROPULSION - BACCHUS</b>	5000 SOUTH HIGHWAY 1	MAGNA	84044	UT	LG	TR	L--ST O
Date	Enforcement Type	Agency	Staff					
02/17/05	310 FINAL 3008 (A) COMPLIANCE ORDER	UT STATE	WMW					
UTR000005124	<b>BASIN PETROLEUM INC.</b>	1157 EAST 135 SOUTH	VERNAL	84078	UT			UO -----
Date	Type	Agency	Staff					
05/26/05	210 INITIAL 3008 (A) COMPLIANCE ORDER	UT STATE	PJS					
UTD072968878	<b>BENNETTS ECONOMY SANITATION INC</b>	160 EAST HELM AVE	SALT LAKE CITY	84115	UT		TR	-----
Date	Type	Agency	Staff					
07/21/05	120 WRITTEN INFORMAL	UT STATE	JWS					
UTD981552177	<b>CLEAN HARBORS ARAGONITE LLC</b>	11600 NORTH APTUS RO	ARAGONITE	84029	UT	LG		UO -I-S- O
Date	Type	Agency	Staff					
07/26/05	310 FINAL 3008 (A) COMPLIANCE ORDER	UT STATE	RAP					
02/03/05	210 INITIAL 3008 (A) COMPLIANCE ORDER	UT STATE	RAP					
01/31/05	310 FINAL 3008 (A) COMPLIANCE ORDER	UT STATE	RAP					
UTD991301748	<b>CLEAN HARBORS GRASSY MOUNTAIN, LLC.</b>	EXIT 41 OFF I-80 3 M	GRASSY MOUNTAIN	84029	UT	LG		L--ST O
Date	Type	Agency	Staff					
01/24/05	120 WRITTEN INFORMAL	UT STATE	EGC					
11/18/04	310 FINAL 3008 (A) COMPLIANCE ORDER	UT STATE	EGC					
UT5210090002	<b>DESERET CHEMICAL DEPOT</b>	PO BOX 250	STOCKTON	84071	UT	LG		LI-ST O
Date	Type	Agency	Staff					
08/16/05	620 FINAL JUDICIAL ORDERS	UT STATE	TIB					
02/07/05	120 WRITTEN INFORMAL	UT STATE	TIB					
10/14/04	610 FINAL CONSENT DECREES	UT STATE	TIB					
UT3750211259	<b>DUGWAY PROVING GROUND</b>		DUGWAY	84022	UT	LG		LI-ST O
Date	Type	Agency	Staff					
12/27/04	120 WRITTEN INFORMAL	UT STATE	DWT					
UTR000007831	<b>EMERALD SERVICES, INC.</b>	500 SOUTH 650 WEST	SALT LAKE CITY	84104	UT	CG	TR	UO -----
Date	Type	Agency	Staff					
05/17/05	310 FINAL 3008 (A) COMPLIANCE ORDER	UT STATE	DSW					
02/07/05	210 INITIAL 3008 (A) COMPLIANCE ORDER	UT STATE	DSW					

UTD982598898	<b>ENVIRO CARE OF UTAH, INC.</b>	U.S. INTERSTATE 80, CLIVE	84029	UT	LG	UO L--ST O
Date	Type	Agency Staff				
08/02/05	310 FINAL 3008 (A) COMPLIANCE ORDER	UT STATE DGV				
05/26/05	310 FINAL 3008 (A) COMPLIANCE ORDER	UT STATE				
05/03/05	210 INITIAL 3008 (A) COMPLIANCE ORDER	UT STATE GL				
03/08/05	120 WRITTEN INFORMAL	UT STATE OHW				
10/28/04	310 FINAL 3008 (A) COMPLIANCE ORDER	UT STATE RLS				
UT0571724350	<b>HILL AIR FORCE BASE</b>	7274 WARDLEIGH ROAD HILL AIR FORCE	84056	UT	LG	TR UO ---S- O
Date	Type	Agency Staff				
02/11/05	120 WRITTEN INFORMAL	UT STATE BCR				
UTR000000232	<b>IBC ADVANCED TECHNOLOGIES, INC.</b>	856 EAST UTAH VALLEY AMERICAN FORK	84003	UT	LG	-----
Date	Type	Agency Staff				
07/29/05	210 INITIAL 3008 (A) COMPLIANCE ORDER	UT STATE RDP				
UTR000000307	<b>L-3 COMMUNICATIONS</b>	640 NORTH 2200 WEST SALT LAKE CITY	84116	UT	LG	-----
Date	Type	Agency Staff				
08/23/05	120 WRITTEN INFORMAL	UT STATE RDP				
UTD982595795	<b>NORTHEAST CASUALTY REAL PROPERTY,</b>	EXIT 41 OFF I-80 CLIVE	84029	UT	LG	---S- O
Date	Type	Agency Staff				
06/23/05	310 FINAL 3008 (A) COMPLIANCE ORDER	UT STATE EGC				
02/11/05	120 WRITTEN INFORMAL	UT STATE EGC				
UTR000000539	<b>O.C. TANNER MANUFACTURING CO.</b>	1930 SOUTH STATE STR SALT LAKE CITY	84115	UT	LG	----- O
Date	Type	Agency Staff				
09/14/05	120 WRITTEN INFORMAL	UT STATE AFP				
UTD073093874	<b>PENNZOIL COMPANY (FORMERLY SEAGULL)</b>	1 1/2 MI W ON HWY 40 ROOSEVELT	84066	UT	LG	-----
Date	Type	Agency Staff				
06/22/05	120 WRITTEN INFORMAL	UT STATE JGP				
UTD980951560	<b>QUESTAR GAS COMPANY</b>	1078 WEST 100 SOUTH SALT LAKE CITY	84105	UT	LG	-----
Date	Type	Agency Staff				
05/13/05	120 WRITTEN INFORMAL	UT STATE DMM				
UTD063314975	<b>SILVER EAGLE REFINING-WOODS CROSS</b>	2355 SOUTH 1100 WEST WOODS CROSS	84087	UT	LG	-----
Date	Type	Agency Staff				
10/04/04	120 WRITTEN INFORMAL	UT STATE JGP				
UTD041310962	<b>THE ENSIGN-BICKFORD COMPANY</b>	8305 S HIGHWAY 6 SPANISH FORK	84660	UT	LG	TR ---ST
Date	Type	Agency Staff				
04/21/05	310 FINAL 3008 (A) COMPLIANCE ORDER	UT STATE HZ				
02/07/05	120 WRITTEN INFORMAL	UT STATE HZ				

UTR000008458	<b>THERMO FLUIDS INC.</b>		3545 WEST 500 SOUTH	SALT LAKE CITY	84101	UT	UO	-----
Date	Type		Agency	Staff				
08/30/05	310 FINAL 3008 (A)	COMPLIANCE ORDER	UT STATE	DSW				
07/19/05	120 WRITTEN INFORMAL		UT STATE	DSW				
UTR000000786	<b>THERMO FLUIDS INC.</b>		1710 WEST 2600 SOUTH	WOODS	84087	UT		-----
Date	Type		Agency	Staff				
11/05/04	120 WRITTEN INFORMAL		UT STATE	PJS				
UT3213820894	<b>TOOELE ARMY DEPOT</b>		SJMTE-CS-EO	TOOELE	84074	UT	LG	TR LI-ST
Date	Type		Agency	Staff				
11/23/04	310 FINAL 3008 (A)	COMPLIANCE ORDER	UT STATE	RAP				
UT0570090001	<b>UTAH TEST AND TRAINING RANGE</b>		20 MILES NORTH OF EX	HILL AIR FORCE	84056	UT	LG	TR L---T O
Date	Type		Agency	Staff				
06/28/05	310 FINAL 3008 (A)	COMPLIANCE ORDER	UT STATE	CDR				
02/16/05	120 WRITTEN INFORMAL		UT STATE	CDR				
UTD988075669	<b>VALLEY OIL TRANSPORTATION, INC.</b>		1474 WEST 1500 SOUTH	NORTH SALT LAKE	84087	UT	TR	UO ----- O
Date	Type		Agency	Staff				
02/23/05	310 FINAL 3008 (A)	COMPLIANCE ORDER	UT STATE	PJS				
10/01/04	210 INITIAL 3008 (A)	COMPLIANCE ORDER	UT STATE	PJS				
UTD092024934	<b>WESTERN ZIRCONIUM</b>		10,000 WEST 900 SOUT	OGDEN	84404	UT	LG	-----
Date	Type		Agency	Staff				
12/27/04	120 WRITTEN INFORMAL		UT STATE	JPL				
UTD009090580	<b>WOODS CROSS REFINERY</b>		393 SOUTH 800 WEST	WOODS CROSS	84087	UT	LG	----- O
Date	Type		Agency	Staff				
02/25/05	120 WRITTEN INFORMAL		UT STATE	APP				

**UTAH DIVISION OF SOLID AND HAZARDOUS WASTE  
ENFORCEMENT ACTIONS / PENALTY PAID  
FY 2005**

UTD001705029	<b>ATK THIOKOL PROPULSION - BACCHUS</b>	5000 SOUTH HIGHWAY 1	MAGNA	84044	UT	LG	TR	L--ST O
Date	Type	Agency	Staff	Penalty Amount/Type	---Actual Payments---			
02/17/05	310 FINAL 3008(A)	C UT STATE	WMW	\$17,580 Final	05/24/05			\$17,580
Total				\$17,580				
UTD981552177	<b>CLEAN HARBORS ARAGONITE LLC</b>	11600 NORTH APTUS RO	ARAGONITE	84029	UT	LG	UO	-I-S- O
Date	Type	Agency	Staff	Penalty Amount/Type	---Actual Payments---			
01/31/05	310 FINAL 3008(A)	C UT STATE	RAP	\$21,536 Final	04/27/05			\$21,536
Total				\$21,536				
UTD991301748	<b>CLEAN HARBORS GRASSY MOUNTAIN, LLC.</b>	EXIT 41 OFF I-80 3 M	GRASSY MOUNTAIN	84029	UT	LG		L--ST O
Date	Type	Agency	Staff	Penalty Amount/Type	---Actual Payments---			
11/18/04	310 FINAL 3008(A)	C UT STATE	EGC	\$10,140 Final	03/02/05			\$10,140
Total				\$10,140				
UT5210090002	<b>DESERET CHEMICAL DEPOT</b>	PO BOX 250	STOCKTON	84071	UT	LG		LI-ST O
Date	Type	Agency	Staff	Penalty Amount/Type	---Actual Payments---			
10/14/04	610 FINAL CONSENT D UT STATE		TIB	\$37,291 Final	01/05/05			\$5,335
Total				\$37,291	01/18/05			\$31,956
UTD982598898	<b>ENVIROCARE OF UTAH, INC.</b>	U.S. INTERSTATE 80,	CLIVE	84029	UT	LG		UO L--ST O
Date	Type	Agency	Staff	Penalty Amount/Type	---Actual Payments---			
08/02/05	310 FINAL 3008(A)	C UT STATE	DGV	\$18,800 Final	09/27/05			\$18,800
Total				\$18,800				
05/26/05	310 FINAL 3008(A)	C UT STATE		\$22,264 Final	08/18/05			\$22,264
Total				\$22,264				
10/28/04	310 FINAL 3008(A)	C UT STATE	RLS	\$22,140 Final	01/11/05			\$22,140
Total				\$22,140				
UTD070534623	<b>GOLDEN EAGLE OIL REFINERY, INC.</b>	1474 WEST 1500 SOUT	WOODS CROSS	84087	UT		UO	-----
Date	Type	Agency	Staff	Penalty Amount/Type	---Actual Payments---			
05/04/03	310 FINAL 3008(A)	C UT STATE	DSW	\$35,500 Final	10/22/03			\$1,500
					01/26/04			\$1,500
					03/17/04			\$1,500
					06/28/04			\$1,500
					09/15/04			\$3,688
					12/10/04			\$3,688
					03/15/05			\$3,688
					06/14/05			\$3,687
					09/15/05			\$3,687



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